



NOTES:

1. THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
A) CIMCOOL 5 STAR 49
B) TRIM SOL
3. FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
4. CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1×10^{-9} TORR CAN BE ACHIEVED
5. HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
6. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
7. DIMENSIONS IN () ARE FOR REF. ONLY
8. **32** SURFACE FINISH UNLESS OTHERWISE SPECIFIED

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY								
PARTS LIST												
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES <table><tr><th>DECIMALS</th><th>ANGULAR</th></tr><tr><td>.X - .1 [2.5]</td><td>- 0°30'</td></tr><tr><td>.XX - .01 [0.25]</td><td></td></tr><tr><td>.XXX - .005 [0.13]</td><td></td></tr></table> SURFACE ROUGHNESS 125 ✓ REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		DECIMALS	ANGULAR	.X - .1 [2.5]	- 0°30'	.XX - .01 [0.25]		.XXX - .005 [0.13]		LOG NUMBER W1740001-00	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY	
DECIMALS	ANGULAR											
.X - .1 [2.5]	- 0°30'											
.XX - .01 [0.25]												
.XXX - .005 [0.13]												
DRAWN BY MUSCIA	DATE 4/17/00	CHIEF DESIGN ENGINEER D. SHU	DATE	TITLE ADVANCED PHOTON SOURCE W1-74 MONO/WHITE BEAM WINDOW FOR 4-ID-B BERYLLIUM FILTER								
CHECKED BY D. SHU	DATE	GP LEADER P. DEN HARTOG	DATE									
DESIGNER SHU/MUSCIA	DATE 4/17/00	PROJECT MGR.	DATE									
RESPONSIBLE ENGINEER D. SHU	DATE	APPROVED/RELEASED	DATE									
MATERIAL HIGH PURITY BERYLLIUM IF-1 (99.8% Be MINIMUM)		SCALE 1:1	SIZE B	DRAWING NUMBER W1-740001-00								
DO NOT SCALE DRAWING		SHEET 14										